

Cont. 309,081
DT-6786

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Andreas Almansteotter et al.
SERIAL NO.: 10/820,333
FILED: April 8, 2004
FOR: MEASURING DEVICE
EXAMINER: Nina Yasmin Mafaher Group: 2855

Mail Stop: **Amendment**
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 CFR sections 1.97 and 1.98, applicant respectfully requests that the documents listed on the attached form PTO-1449, be made of record and considered in connection with the examination of this application.

Copies of the listed documents are enclosed. A translation of the foreign language document(s) is not readily available.

10/18/2005 BABRAHA1 00000079 10820333

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The documents submitted herewith were cited in a preamble of the above-referenced application and during prosecution of the German application corresponding to the above-referenced application.

DE 693 11 897 T2 discloses a load sensor including a resilient U-shaped wire element 11 anchored at 14, bearing at 15 against an abutment 9, and having its free end 17 co-operating with a scale 19, to register the load applied to the bolt 1, the load causing extension of the bolt 1. The sensor element 11 has the same thermal expansion as the bolt. The anchored end 14 may be fixed directly to the bolt head by being wound into a coil, and the scale is on a disc. The sensor element and the scale may be incorporated into an electrical circuit to produce a visual or audible warning, and to control a tightening tool.

European Patent EP 0 910 50 B1 (corresponds to German Publication DE 697 11 184 T2 cited by the German Patent Office) discloses a method and an apparatus for indicating a load.

German Publication DE 31 48 730 A1 discloses a load measuring device formed of two discs (3,4) and a flexible intermediate member (9) and which is mounted between a nut (5) and a machine part (7). A plurality of different balls (10,11) is embedded in the intermediate member (9). Upon application of a

torque to the nut (5), the balls are displaced within the intermediate member, changing its diameter, which represents a measure of applied force.

German Utility Model DE 78 21 489U1 discloses a load indicating washer in which for a better sidewise release of the inserted material (10), there are provided outlet channels (7) extending up to the outer circumference (8) of the washer.

It is noted that U.S. Patents 3,948,141 and 6,425,718 has been cited by the Examiner.

A check in the amount of \$180 for covering the fee under 37 C.F.P. § 1.17 (p) is enclosed.

Respectfully submitted,


Alexander Zinchuk
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This correspondence is being deposited with the United States Postal Service on October 12, 2005 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number **ER 842 053 350 US** addressed to the Honorable Commissioner for Patents, Alexandria, VA 22313-1450.


Alexander Zinchuk

Atty. Docket Control No.
Cont. 309,081 (DT-6786)

Serial
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INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(Use several sheets if necessary)

Applicant Andreas Almanstoetter et al

Filing Date

April 8, 2004

Group

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing If App
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Transla YES
	AL						
	AM	9 3 1 1 8 9 7	10/1993	Germany			
	AN	0 9 1 0 7 5 0	4/1999	Europe			
	AO	3 1 4 8 7 3 0	7/1983	Germany			
	AP	7 8 2 1 4 8 9	7/1978	Germany			

OTHER RELATED ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Search Report
	AS	
	AT	

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.